



FORM PTO-1449

## INFORMATION DISCLOSURE CITATION

Attorney Docket:  
1232-5090Serial No.:  
10/631,926Applicant:  
Nobuto KAWAHARAFiling Date:  
July 31, 2003Group Art Unit:  
9677 2851

## U.S. PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
PA	1	6,452,662 B2	09/17/2002	MULKENS, et al.	355		
PA	2	2002/0177048 A1	11/28/2002	SAITOH, et al.	430		

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Country	Class	Sub-Class	Translation
PA	1	1-92727	04/12/1989	Japan (w/ abstract)			<input type="checkbox"/> Yes <input type="checkbox"/> No
PA	2	0 589103 A1	09/22/1992	Europe			<input type="checkbox"/> Yes <input type="checkbox"/> No
PA	3	5-47628	02/26/1993	Japan (w/ abstract)			<input type="checkbox"/> Yes <input type="checkbox"/> No
PA	4	5-251308	09/28/1993	Japan (w/ abstract)			<input type="checkbox"/> Yes <input type="checkbox"/> No
PA	5	0 949 541 A2	10/13/1999	Europe			<input type="checkbox"/> Yes <input type="checkbox"/> No
PA	6	2000-164498	06/16/2000	Japan (w/ abstract)			<input type="checkbox"/> Yes <input type="checkbox"/> No
PA	7	2 347 517 A	06/09/2000	United Kingdom			<input type="checkbox"/> Yes <input type="checkbox"/> No
PA	8	2002-243639	08/28/2002	Japan (w/ abstract)			<input type="checkbox"/> Yes <input type="checkbox"/> No

## OTHER DOCUMENTS (Including Author, Title, Date, etc.)


Examiner

Date Considered

7-20-04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609.  
Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to Applicant.